

Marcos Agnoletto

✉ marcos.forte@ufabc.edu.br

🌐 <https://marcosagnoletto.github.io>

🆔 <https://orcid.org/0009-0008-4032-5287>

📍 <https://lattes.cnpq.br/8783601580222619>

📄 <https://scholar.google.com/citations?user=JYQaGDEAAAAJ&hl=pt-BR>



Education

- Feb/22 – 📖 Ph.D. in mathematics at **Federal University of ABC**.
Scholarship: CAPES.
Advisors: *Stefano Nardulli, Márcio Fabiano da Silva, Paolo Piccione* and *Reinaldo Resende*.
- Jun/19 – Jan/22 📖 Master's degree in mathematics at **Federal University of ABC**.
Scholarship: CAPES.
Advisors: *Stefano Nardulli* and *Márcio Fabiano da Silva*.
- Aug/18 – Sep/22 📖 Bachelor's degree in mathematics at **Federal University of ABC**.
Scholarship: UFABC.
Advisors: *Márcio Fabiano da Silva* and *Mariana Rodrigues da Silveira*.
- Jun/14 – Sep/18 📖 Bachelor's degree in science and technology at **Federal University of ABC**.
Scholarship: CNPq and UFABC.
Advisor: *Márcio Fabiano da Silva*.

Research visits

- Jan/25 – 📖 Visiting PhD student at **Carnegie Mellon University**.
Scholarship: CNPq and FAPESP.
Supervisor: *Reinaldo Resende*.

Research

Preprints





- 1 M. Agnoletto, J. C. C. Hoyos, M. F. da Silva, and S. Nardulli, *Allard's interior ε -regularity theorem in alexandrov spaces*, 2025. arXiv: 2504.10758 [math.DG]. [🔗 URL: https://arxiv.org/abs/2504.10758](https://arxiv.org/abs/2504.10758).

Academic Works




- 1 M. Agnoletto and M. F. da Silva, "A stereological version of Gauss-Bonnet formula," Bachelor thesis, In portuguese, Available in: UFABC, May 2022.
- 2 M. Agnoletto, M. F. da Silva, and S. Nardulli, "Optimal Isoperimetric Inequality In Cartan-Hadamard Manifolds And The Aubin's Conjecture," Master thesis, In portuguese, Available in: Plataforma Sucupira, Dec. 2021.
- 3 M. Agnoletto and M. R. da Silveira, "Homology of surfaces," Undergraduate research, Nov. 2019.
- 4 M. Agnoletto and M. F. da Silva, "Geometric probability and the integral geometry on euclidean plane II," Undergraduate research, Nov. 2017.
- 5 M. Agnoletto and M. F. da Silva, "Geometric probability and the integral geometry on euclidean plane I," Undergraduate research, Nov. 2016.

Events

Talks





- March, 2025  Graduate Student and Postdoc Seminars, Carnegie Mellon University.
Talk title: *An Introduction to Varifold Theory*.
- October, 2024  Seminários da pós-graduação em matemática da UFABC, Federal University of ABC.
Talk title: *Allard's ε -regularity theorem*.
- January, 2023  Primeiro workshop da pós-graduação integrada com a semana da física, São Paulo State University.
Talk title: *Limits of spacetimes*.
- November, 2021  Seminários da pós-graduação em matemática da UFABC, Federal University of ABC.
Talk title: *Optimal isoperimetric inequality in Cartan-Hadamard manifolds and the Aubin's conjecture*.

Posters

- November, 2019  XII simpósio de iniciação científica, Federal University of ABC.
Poster title: *Homology of surfaces*.
- November, 2017  X simpósio de iniciação científica, Federal University of ABC.
Poster title: *Geometric probability and the integral geometry on euclidean plane II*.
- November, 2016  IX simpósio de iniciação científica, Federal University of ABC.
Poster title: *Geometric probability and the integral geometry on euclidean plane I*.

Teaching

Teaching Assistant

- Sept/23 – Dec/23  Differential geometry II at Federal University of ABC.
- Feb/20 – May/20  Non-euclidean geometry at Federal University of ABC.
- Jul/19 – Dec/19  Functions of one variable at Federal University of ABC.
- Feb/19 – Jun/19  Mathematical foundations at Federal University of ABC.

References

Available on Request.